

AMENDMENTS TO THE CLAIMS

Pursuant to 37 C.F.R. § 1.121 the following listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A display unit comprising:

a display device;

a pseudo-tone processing means for receiving inputs of display data;

means in said pseudo-tone processing means for color-reducing each RGB component of said display data by pseudo-tone processing to produce color-reduced display data;

said pseudo-tone processing means includes means for performing color reduction so that the tone number reflects a contribution of each RGB component to brightness;

a frame memory for storing said color-reduced display data; and

a one-dimensional bit conversion table;

a tone correction means which references the one-dimensional bit conversion table for bit-incrementing said color-reduced display data stored in said frame memory; and

a drive means for driving said display device with said color-reduced display data from said frame memory.

2. (Currently Amended) A display unit comprising:

a display device;

a pseudo-tone processing means for receiving inputs of display data;

means in said pseudo-tone processing means for color-reducing each RGB component of said display data by means of pseudo-tone processing to produce color-reduced display data;

a frame memory for storing said color-reduced display data;

a one-dimensional bit conversion table;

a tone correction means which references the one-dimensional bit conversion table for bit-incrementing said color-reduced display data stored in said frame memory;

a drive means for driving said display device using data derived from said color-reduced display data stored in said frame memory; and

said pseudo-tone processing means including means for performing color reduction so that the tone number of bits in each RGB component after color reduction becomes G component > R component > B component.

3. (Original) A display unit as set forth in claim 1, wherein the tone number of the G component after color reduction is from about two to about 20 times the tone number of the B component.

4. (Original) A display unit as set forth in claim 2, wherein the tone number of the G component after color reduction is from about two to about 20 times the tone number of the B component.

5. (Original) A display unit as set forth in claim 1, wherein:

the tone numbers after color reduction are R component : G component : B component = 2:4:1.

6. (Original) A display unit as set forth in claim 2, wherein:

the tone numbers after color reduction are R component : G component : B component = 2:4:1.

7. (Original) A display unit as set forth in claim 1, wherein:

the tone numbers after color reduction are R component = 16, G component = 32, and B component = 8.

8. (Original) A display unit as set forth in claim 2, wherein:

the tone numbers after color reduction are R component = 16, G component = 32, and B component = 8.

9. (Currently Amended) A display unit comprising:

a display device;

a pseudo-tone processing means which receives inputs of display data;

18. (Currently Amended) A display method comprising the steps of:

receiving input of display data;

color-reducing each RGB component of said display data by means of pseudo-tone processing to produce color-reduced display data;

storing said color-reduced display data in a frame memory;

bit-incrementing said display data after the step of color-reducing stored in the frame memory to produce bit-incremented display data;

performing the bit-incrementing step in a tone correction means located downstream from the frame memory; and

driving a display device with said bit-incremented display data;

wherein the tone correction means references at least one one-dimensional bit conversion table.

19. (Previously Presented) The display unit of claim 1, further comprising:

a tone correction means, located downstream from the frame memory, for bit incrementing said color-reduced display data; and

at least one bit conversion table containing tone corrections that include least significant bits.

20. (Previously Presented) The display unit of claim 2, further comprising:

a tone correction means, located downstream from the frame memory, for bit incrementing said color-reduced display data; and

at least one bit conversion table containing tone corrections that include least significant bits.

21. (Previously Presented) The method of claim 10, further comprising the step of:

bit-incrementing the color-reduced display data in a tone correction means located downstream from the frame memory;

wherein the tone correction means references at least one bit conversion table.

22. (Currently Amended) The method of claim 11, further comprising the step of:

bit-incrementing the color-reduced display data in a tone correction means located downstream from the frame memory;

wherein the tone correction means references at least one bit conversion table.